

WHAT IS CLAIMED IS:

1. A program control method comprising:  
an adapter execution program for receiving  
data outputted from particular transaction processing  
in a first program; referencing adapter call definition  
information for calling an adapter component for use in  
common with a plurality of transactions to acquire an  
adapter component reference name and transaction  
identification information corresponding to said  
particular transaction processing; converting said data  
into a data format for a predetermined interface  
defined by said adapter component to generate first  
converted data; initiating an adapter component program  
corresponding to said adapter component reference name;  
and outputting said transaction identification  
information and said first converted data; and

an adapter component program for receiving  
said transaction identification information and said  
first converted data as inputs; referencing connector  
call definition information for calling a second  
program based on said transaction identification  
information to acquire a connector component reference  
name corresponding to said particular transaction  
processing; converting said first converted data into a  
data format for a predetermined interface defined by  
said second program to generate second converted data;  
initiating said second program corresponding to said  
connector component reference name; and outputting said

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second converted data.

2. A program control method comprising:

an adapter execution program for receiving data outputted from particular transaction processing in a first program; referencing adapter call definition information for calling an adapter component for use in a particular transaction to acquire an adapter component reference name corresponding to said particular transaction processing; converting said data into a data format for a predetermined interface defined by said adapter component to generate first converted data; initiating an adapter component program corresponding to said adapter component reference name; and outputting said first converted data; and

an adapter component program for receiving said first converted data as an input; referencing connector call definition information for calling a second program to acquire a connector component reference name corresponding to said particular transaction processing; converting said first converted data into a data format for a predetermined interface defined by said second program to generate second converted data; initiating said second program corresponding to said connector component reference name; and outputting said second converted data.

3. A program control method according to claim 1, wherein:

said first program is applied with a workflow

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engine for associating a plurality of transaction systems;

    said second program is applied with a component based on a J2EE Connector component model; and

    said adapter component is applied with a component based on an Enterprise JavaBeans component model.

4.       A program control method according to claim 1, wherein:

    said first program is applied with a hub-and-spoke system for associating a plurality of transaction systems;

    said second program is applied with a component based on a J2EE Connector component model; and

    said adapter component is applied with a component based on an Enterprise JavaBeans component model.

5.       A program control method according to claim 1, wherein:

    said first program is applied with a Web application for processing input data from WWW;

    said second program is applied with a component based on a J2EE Connector component model; and

    said adapter component is applied with a component based on an Enterprise JavaBeans component

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model.

6. A program control method having an adapter program which receives data outputted from a first program as an input, converts said data into a format available for a second program, and outputs said converted data to said second program, wherein:

said adapter program comprising the steps of:  
        receiving said data from said first program;  
        acquiring an adapter component reference name  
    with reference to adapter call definition information  
    for calling an adapter component for use in common with  
    a plurality of transactions;

acquiring transaction identification information with reference to said adapter call definition information;

converting said data into a format, which matches an interface for said adapter component, to generate first converted data;

passing said transaction identification information and said first converted data to said adapter component;

selecting connector call definition information for calling said second program, based on said transaction identification information;

acquiring a connector reference name with reference to said connector call definition information:

converting said first converted data into a

format, which matches an interface for said second program, to generate second converted data; and

passing said second converted data to said second program corresponding to said connector reference name.

7. A program control method having an adapter program which receives data outputted from a first program as an input, converts said data into a format available for a second program, and outputs said converted data to said second program, wherein:

said adapter program comprising the steps of:  
        receiving an initiation request from said  
        first program, said initiation request including data;

acquiring an adapter component reference name with reference to adapter call definition information for calling an adapter component for use in a particular transaction in an adapter execution unit initiated based on said initiation request;

converting said data into a format, which matches an interface for said adapter component, to generate first converted data;

passing said first converted data to said adapter component;

acquiring a connector reference name with reference to connector call definition information for calling said second program;

converting said first converted data into a format, which matches an interface for said second

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program, to generate second converted data; and  
passing said second converted data to said  
second program corresponding to said connector  
reference name.

8. A program control method according to claim  
6, wherein:

    said first program is applied with a workflow  
program for associating a plurality of transaction  
systems;

    said second program is applied with a  
component based on a J2EE Connector component model;  
and

    said adapter component is applied with a  
component based on an Enterprise JavaBeans component  
model.

9. A program control method according to claim  
6, wherein:

    said first program is applied with a hub-and-  
spoke system for associating a plurality of transaction  
systems;

    said second program is applied with a  
component based on a J2EE Connector component model;  
and

    said adapter component is applied with a  
component based on an Enterprise JavaBeans component  
model.

10. A program control method according to claim  
6, wherein:

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said first program is applied with a Web application for processing input data from WWW;

    said second program is applied with a component based on a J2EE Connector component model; and

    said adapter component is applied with a component based on an Enterprise JavaBeans component model.

11.       A computer system comprising adapter program executing means for receiving data outputted from first program executing means, converting said data into a format available for second program executing means, and outputting said converted data to said second program executing means, wherein:

    said adapter program executing means includes:

        means for receiving said data from said first program executing means;

        means for acquiring an adapter component reference name with reference to adapter call definition information for calling adapter component executing means for use in common with a plurality of transactions;

        means for acquiring transaction identification information with reference to said adapter call definition information;

        means for converting said data into a format, which matches an interface for said adapter component

executing means, to generate first converted data;  
means for passing said transaction identification information and said first converted data to said adapter component executing means;  
means for selecting connector call definition information for initiating said second program executing means based on said transaction identification information;  
means for acquiring a connector reference name with reference to said connector call definition information;  
means for converting said first converted data into a format, which matches an interface for said second program executing means, to generate second converted data; and  
means for passing said second converted data to said second program executing means corresponding to said connector reference name.

12. A computer readable recording medium storing a control program, said control program having an adapter program which receives data outputted from a first program as an input, converts said data into a format available for a second program, and outputs said converted data to said second program, wherein:

said adapter program comprising the steps of:  
        receiving said data from said first program;  
        acquiring an adapter component reference name  
    with reference to adapter call definition information

for calling an adapter component for use in common with a plurality of transactions;

acquiring transaction identification information with reference to said adapter call definition information;

converting said data into a format, which matches an interface for said adapter component, to generate first converted data;

passing said transaction identification information and said first converted data to said adapter component;

selecting a connector call definition information for calling said second program, based on said transaction identification information;

acquiring a connector reference name with reference to said connector call definition information;

converting said first converted data into a format, which matches an interface for said second program, to generate second converted data; and

passing said second converted data to said second program corresponding to said connector reference name.

13. A control program having an adapter program which receives data outputted from a first program as an input, converts said data into a format available for a second program, and outputs said converted data to said second program, wherein:

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said adapter program comprising the steps of:  
        receiving said data from said first program;  
        acquiring an adapter component reference name  
    with reference to adapter call definition information  
    for calling an adapter component for use in common with  
    a plurality of transactions;

        acquiring transaction identification  
    information with reference to said adapter call  
    definition information;

        converting said data into a format, which  
    matches an interface for said adapter component, to  
    generate first converted data;

        passing said transaction identification  
    information and said first converted data to said  
    adapter component;

        selecting a connector call definition  
    information for calling said second program, based on  
    said transaction identification information;

        acquiring a connector reference name with  
    reference to said connector call definition  
    information;

        converting said first converted data into a  
    format, which matches an interface for said second  
    program, to generate second converted data; and

        passing said second converted data to said  
    second program corresponding to said connector  
    reference name.